

# Converting Colors

XYZ(61.2873, 60.8174, 23.0575)

Have a look what the booklet for  
XYZ(61.2873, 60.8174, 23.0575)  
contains.

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# Color

**XYZ(61.4380, 60.9931,  
23.0027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8C56D
RGB	248, 197, 109
RGB Percent	97%, 77%, 43%
CMY	0.0275, 0.2274, 0.5725
CMYK	0.00, 0.21, 0.56, 0.03
HSL	38°, 91%, 70%
HSV	38°, 56%, 97%
XYZ	61.4380, 60.9931, 23.0027
YIQ	202.2170, 58.6440, -16.5560

# Conversions

## Conversions Part 2

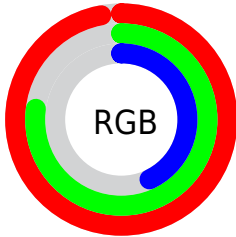
Format	Color
<a href="#">RYB</a>	<a href="#">190, 248, 109</a>
Decimal	<a href="#">16303469</a>
CIELab	<a href="#">82.38, 8.29, 50.50</a>
CIElCh	<a href="#">82, 51.172, 80.680</a>
Yxy	<a href="#">60.9931, 0.4224, 0.4194</a>
Android (android.graphics.Color)	<a href="#">4294493549</a> (0xFFF8C56D)
YUV	<a href="#">202.2170, -45.9560, 40.1517</a>
Hunter-Lab	<a href="#">78.0981, 3.7503, 37.2056</a>

# Details

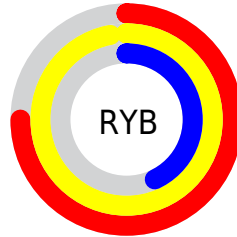
The XYZ color **61.4380, 60.9931, 23.0027** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.8202, 35.1687, 93.7069**, and the grayscale version is **56.5283, 59.4722, 64.7652**.

A 20% lighter version of the original color is **83.2034, 94.7523, 48.0861**, and **31.5724, 30.7692, 8.2780** is the 20% darker color. If you saturate the color by 10%, you get **58.2831, 56.5269, 16.2681**, and if you desaturate by 10%, it is **65.0971, 65.8652, 31.7643**.

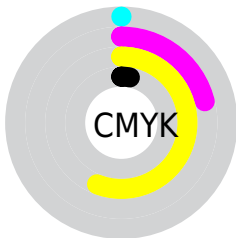
# Distribution



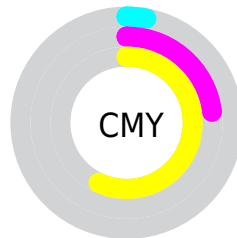
- Red (97%)
- Green (77%)
- Blue (43%)



- Red (75%)
- Yellow (97%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (56%)
- Black (3%)




- Cyan (3%)
- Magenta (23%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4380, 60.9931, 23.0027 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 61.4380, 60.9931, 23.0027 by changing the saturation by 10% instead.




 61.4380, 60.9931,  
23.0027


 61.4380, 60.9931,  
23.0027


419.6284,  
428.2487, 280.8612

 44.8326, 44.2196,  
14.3902


 106.0074,  
106.2689, 49.3210


 31.5263, 30.8432,  
8.2507


 134.7021,  
135.5401, 67.8639

 21.1538, 20.4795,  
4.1657


 168.1574,  
169.7459, 90.5540

 13.3495, 12.7440,  
1.7167

 206.7384,  
209.2707, 117.8098

 7.7483, 7.2525,  
0.3721

250.8107,  
254.4991, 150.0499

 3.9848, 3.6205,  
0.0000

300.7396,

 1.6935, 1.4636,

305.8152, 187.6928

0.0000

356.8904,  
363.6036, 231.1571

■ 0.4522, 0.2629,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4380, 60.9931,  
23.0027

■ 61.4380, 60.9931,  
23.0027

■ 58.2831, 56.5269,  
16.2681

■ 65.0971, 65.8652,  
31.7643

■ 55.5932, 52.4405,  
11.3846


■ 69.2870, 71.1501,  
42.7018


■ 53.3295, 48.7169,  
8.1519


■ 74.0371, 76.8654,  
55.9540


■ 51.4424, 45.3328,  
6.3203

■ 79.3735, 83.0247,  
71.6470

 50.7712, 44.0762,  
5.8316

 85.3200, 89.6406,  
89.8980

 91.4449, 96.5436,  
108.4229

 92.5213, 98.6964,  
108.7817

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3142, 60.9931, 29.9190



61.4380, 60.9931, 23.0027



50.8716, 60.9931, 24.5552

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.4380, 60.9931, 23.0027



40.4698, 60.9931, 89.9802



75.7720, 60.9931, 112.2443

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



61.4380, 60.9931, 23.0027



35.8202, 35.1687, 93.7069

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.7044, 60.9931, 140.0132



61.4380, 60.9931, 23.0027



45.6640, 60.9931, 124.6098

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.4380, 60.9931, 23.0027



39.6295, 60.9931, 57.1444



54.6391, 60.9931, 145.1376



81.2475, 60.9931, 76.6290



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.4380, 60.9931, 23.0027



45.3393, 60.9931, 30.4612



54.6391, 60.9931, 145.1376



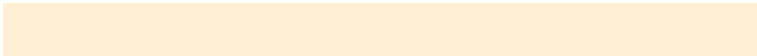
72.7573, 60.9931, 123.2201

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



61.4395, 60.9960, 23.0039



83.9743, 87.7853, 74.5745



50.7271, 33.5130, 38.1103



17.7208, 18.5009, 15.2074



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.4395, 60.9960, 23.0039



61.7664, 59.7430, 16.6944



69.5361, 85.3583, 27.2796



18.1608, 19.0574, 18.1837



27.5651, 24.0869, 3.1964

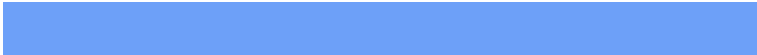


2.6541, 2.4330, 0.3297

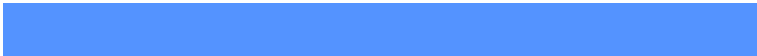


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.8202, 35.1687, 93.7069



32.1267, 29.9260, 98.6908



30.9016, 22.0916, 91.4420



16.8044, 17.6857, 21.9133



11.2949, 7.9454, 48.9119



1.1433, 0.9303, 4.5625



# Previews

## White Background



This preview shows how the XYZ color 61.4380, 60.9931, 23.0027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

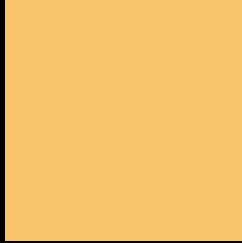
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4380, 60.9931, 23.0027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.4380, 60.9931, 23.0027**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4380, 60.9931, 23.0027.



This preview shows how white text looks on a background with the XYZ color 61.4380, 60.9931,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

61.4380, 60.9931, 23.0027

### Protanopia

56.1200, 61.0012, 24.1458

### Deuteranopia

62.2839, 61.0932, 22.9775



## Tritanopia

69.5529, 61.0177, 63.3701

# Trichromacy



## Original Color

61.4380, 60.9931, 23.0027

## Protanomaly

57.9215, 60.8812, 23.7374

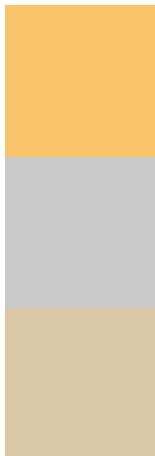
## Deuteranomaly

61.9246, 60.9080, 22.9606

## Tritanomaly

65.8436, 60.7842, 45.3080

# Monochromacy



## Original Color

61.4380, 60.9931, 23.0027

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

56.9356, 59.1958, 45.4709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4380, 60.9931, 23.0027 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(248, 197, 109)` looks like.

```
.text, #text, p{  
    color:rgb(248, 197, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(248, 197, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 197, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4380, 60.9931, 23.0027 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 197, 109) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(248, 197, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(248, 197, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 197, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 197, 109);  
box-shadow:4px 4px 4px 4px rgb(248, 197,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4380, 60.9931, 23.0027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 197, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(248,  
197, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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